

**DECKARD'S DREAM BILL OF MATERIALS REV 2.1.4**

**HARDWARE BOARD**

VALUE	DESIGNATOR	QUANTITY	FOOTPRINT	NOTE	MOUSER PART #
15uF	C85, C100, C101	3	5MM DIA / 2MM LS	ELECTROLYTHIC CAPACITOR	598-156PUM035M
0.1uF	C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61, C62, C63, C64, C65, C66, C67, C68, C69, C70, C71, C72, C73, C74, C75, C76, C77, C78, C79, C80, C81, C82, C83, C84, C86, C87, C88, C89, C90, C92, C93, C94, C95, C96, C97, C98, C99, C102, C103, C104	100	SMT 0805	CERAMIC CAPACITOR	810-CEU4J2X7R1H104K
BAT85S	D1, D2	2			
CD4051	IC2, IC3, IC5, IC6, IC8, IC9, IC11, IC12, IC14, IC15	10	DIP16	ANALOG MULTIPLEXER/DEMUTIPLEXER	595-CD4051BE
74HC595	IC4, IC7, IC10, IC13, IC16	5	DIP16	8-BIT SHIFT REGISTER WITH 3-STATE OUTPUT REGISTER	595-SN74HC595N
47K	R1, R2, R3, R4, R5, R11, R12, R13, R14, R19, R20	11		1/4W 1% RESISTOR	271-47K-RC
10K	R6, R7, R8, R9, R10, R15, R16, R17, R18, R21, R22	11		1/4W 1% RESISTOR	271-10K-RC
1K	R23, R24, R26, R27, R28, R29, R30, R31, R32, R33	10		1/4W 1% RESISTOR	271-1K-RC
	10-100K LINEAR	51		SLIDE POTENTIOMETER 30MM TRAVEL	652-PTA30432015B104
	10-100K LINEAR	10		SLIDE POTENTIOMETER 20MM TRAVEL	652-PTA20432015CPB10
	10-100K LINEAR	9		SLIDE POTENTIOMETER 20MM TRAVEL CENTER DETENT	652-PTA2432215CPB104
	10-100K LINEAR	1		9MM METAL ROUND SHAFT POTENTIOMETER	<a href="http://smallbear-electronics.mybigcommerce.com/alpha-single-gang-9mm-right-angle-pc-mount/">http://smallbear-electronics.mybigcommerce.com/alpha-single-gang-9mm-right-angle-pc-mount/</a>
	PLD1	1	PLD-10	2.54M PITCH 2X5 FEMALE HEADER	517-929975-01-05-RK
	PLD2	1	PLD-12	2.54M PITCH 2X6 FEMALE HEADER	517-929975-01-06-RK
	BT1, BT2, BT3, BT4, BT5	5	6x6MM	TACT SWITCH 15MM HEIGHT	<a href="http://www.ebay.com/itm/232190328351">http://www.ebay.com/itm/232190328351</a>
	SW1, SW2, SW3, SW4	4		DPDT SLIDE SWITCH	612-EG2201B
	SW5	1		DP3T SLIDE SWITCH	612-EG2301B
	OLED	1		0.96" I2C IIC SPI SERIAL 128X64 WHITE OLED DISPLAY	<a href="http://www.ebay.com/itm/172518846641">http://www.ebay.com/itm/172518846641</a>

**MAIN BOARD**

VALUE	DESIGNATOR	QUANTITY	FOOTPRINT	NOTE	MOUSER PART #
330uF	C232, C233, C274, C278	4	10MM DIA / 5MM LS	ELECTROLYTHIC CAPACITOR	667-ECA-1VM331
15uF	C1, C2, C3, C4, C5, C28, C31, C41, C42, C43, C84, C85, C86, C87, C280, C281	16	5MM DIA / 2MM LS	ELECTROLYTHIC CAPACITOR	598-156PUM035M
0.1uF	C11, C13, C14, C15, C16, C18, C20, C21, C22, C23, C25, C26, C29, C30, C32, C33, C34, C35, C37, C40, C44, C46, C49, C54, C56, C59, C64, C66, C69, C74, C76, C79, C88, C89, C91, C93, C96, C100, C101, C105, C108, C109, C111, C113, C116, C121, C125, C126, C128, C129, C131, C133, C136, C143, C144, C146, C147, C149, C152, C153, C158, C159, C165, C167, C170, C179, C181, C184, C193, C195, C198, C204, C205, C209, C211, C214, C220, C221, C222, C223, C226, C227, C234, C235, C240, C241, C242, C243, C252, C253, C254, C255, C260, C261, C263, C264, C282, C283	98	SMT 0805	CERAMIC CAPACITOR	810-CEU4J2X7R1H104K
10uF	C6	1	5MM LS	CERAMIC CAPACITOR	810-FG26X7R1E106KRT6
4.7uF	C17, C45, C47, C48, C55, C57, C58, C65, C67, C68, C75, C77, C78, C92, C94, C95, C112, C114, C115, C132, C134, C135, C150, C151, C154, C166, C168, C169, C180, C182, C183, C194, C196, C197, C210, C212, C213	37	5MM LS	CERAMIC CAPACITOR	810-FK26X7R1C475K
2.2uF	C7, C8, C19, C106, C122	5	5MM LS	CERAMIC CAPACITOR	810-FG28X5R1E225KRT6
1uF	C12, C276, C277	3	5MM LS	CERAMIC CAPACITOR	810-FG28X5R1H105KRT0
0.47uF	C163, C164, C171, C172, C173, C174, C175, C176, C177, C178, C185, C186, C187, C188, C189, C190, C191, C192, C199, C200, C201, C202, C203, C206, C207, C208, C215, C216, C217, C218, C219	31	5MM LS	CERAMIC CAPACITOR	810-FG26X7R1H474KNT6

0.01uF	C27, C39, C50, C51, C52, C53, C60, C61, C62, C63, C70, C71, C72, C73, C80, C81, C82	17	5MM LS	CERAMIC CAPACITOR	810-FG28C0G1H103JNT6
560pF	C24, C236, C239, C244, C247, C248, C251, C256, C259, C262, C267, C269, C272	13	5MM LS	CERAMIC CAPACITOR	810-FG28C0G1H561JNT0
100pF	C83, C90, C97, C98, C99, C102, C103, C104, C107, C110, C117, C118, C119, C120, C123, C124, C127, C130, C137, C138, C139, C140, C141, C142, C145, C148, C155, C156, C157, C160, C161, C162, C224, C225, C228, C229, C230, C231, C237, C238, C245, C246, C249, C250, C257, C258, C265, C266, C268, C270, C271, C273	52	5MM LS	CERAMIC CAPACITOR	810-FG28C0G1H101JNT6
22pF	C9, C10	2	5MM LS	CERAMIC CAPACITOR	810-FG28C0G1H220JNT6
1uF	C275, C279	2	5MM LS	FILM CAPACITOR	80-R82DC4100AA60J
100nF	C36	1	5MM LS	FILM CAPACITOR	80-R82EC3100DQ70J
1nF	C38	1	5MM LS	FILM CAPACITOR	80-R82EC1100Z350J
BAT85S	D1, D2	2	DO-35	SCHOTTKY BARRIER RECTIFIER	78-BAT85S-TAP
BAT43	D3, D4	2	DO-35	SMALL SIGNAL SCHOTTKY DIODE	511-BAT43
STM32F405RGT6	IC1	1	LQFP64	ARM CORTEX-M4 32 BIT MCU	<b>PREINSTALLED</b>
SST25VF040B	IC2	1	SOIC8	4 MBIT SPI SERIAL FLASH	<b>PREINSTALLED</b>
MAX5134	IC12, IC14, IC15, IC16	4	TSSOP16	QUAD 16 BIT VOLTAGE-OUTPUT DAC	<b>PREINSTALLED</b>
MAX5592	IC17, IC21, IC25, IC28, IC31, IC32, IC33, IC35	8	TSSOP28	OCTAL 12 BIT VOLTAGE-OUTPUT DAC	<b>PREINSTALLED</b>
TPA152	IC46	1	SOIC8	75-mW STEREO AUDIO POWER AMPLIFIER	<b>PREINSTALLED</b>
CD4051	IC4, IC5	3	DIP16	ANALOG MULTIPLEXER/DEMULTIPLEXER	595-CD4051BE
TL062	IC6, IC7, IC39, IC45	4	DIP8	DUAL OPERATIONAL AMPLIFIER	595-TL062CP
PENTANOISE	IC11	1	DIP8	NOISE GENERATOR	<a href="http://electricdruoid.net/product/pentanoise-noise-generator/">http://electricdruoid.net/product/pentanoise-noise-generator/</a>
TL431	IC3, IC13, IC18	3	TO-92	PRECISION PROGRAMMABLE REFERENCE	595-TL431CLP
TL064	IC8, IC9, IC10, IC19, IC20, IC22, IC23, IC26, IC27, IC29, IC30, IC34, IC36, IC37, IC38, IC41, IC43, IC54	18	DIP14	QUAD OPERATIONAL AMPLIFIER	595-TL064IN
V2164	IC40, IC42, IC44	3	DIP16	QUAD VOLTAGE CONTROLLED AMPLIFIER	<a href="https://www.thonk.co.uk/shop/coolaudio-v2164-all/">https://www.thonk.co.uk/shop/coolaudio-v2164-all/</a>
TLV431	IC24	1	TO-92	LOW-VOLTAGE ADJUSTABLE PRECISION SHUNT	595-TLV431AILPR
BAT85S	Z1, Z2, Z3	3	DO-35	SCHOTTKY BARRIER RECTIFIER	78-BAT85S-TAP
8MHz	ZQ1	1	HC-49/US	AT-CUT CRYSTAL UNIT	695-HC49US-8-U
120K	R182, R184	2		1/4W 1% RESISTOR	271-120K-RC
100K	R17, R19, R20, R21, R23, R24, R25, R27, R28, R29, R31, R32, R34, R59, R61, R63, R65, R67, R69, R75, R76, R78, R80, R82, R84, R86, R90, R94, R95, R97, R99, R101, R103, R105, R107, R110, R111, R113, R115, R117, R119, R121, R123, R126, R127	45		1/4W 1% RESISTOR	271-100K-RC
51K	R58, R60, R62, R64, R66, R68, R72, R73, R77, R79, R81, R83, R85, R88, R92, R93, R96, R98, R100, R102, R104, R106, R108, R109, R112, R114, R116, R118, R120, R122, R124, R125	32		1/4W 1% RESISTOR	271-51K-RC
30K	R162, R167, R169, R170, R171, R172, R173, R174, R175, R176, R177, R178, R179, R180, R181, R183, R185, R186, R187, R190, R191, R192, R193, R196, R197, R198, R199, R202, R204, R205, R208, R210, R211, R214, R215, R216, R217, R218, R219, R222, R223, R224, R225, R226, R227	45		1/4W 1% RESISTOR	271-30K-RC
22K6	R159, R164	2		1/4W 1% RESISTOR	271-22.6K-RC
22K	R203, R209	2		1/4W 1% RESISTOR	271-22K-RC
20K	R228, R229, R230, R232, R233, R234	6		1/4W 1% RESISTOR	271-20K-RC
12K	R18, R22, R26, R30	4		1/4W 1% RESISTOR	271-22K-RC
10K	R4, R5, R6, R7, R9, R12, R40, R45, R50, R55, R91, R160, R161, R163, R165, R166, R168	17		1/4W 1% RESISTOR	271-10K-RC
5K6	R33	1		1/4W 1% RESISTOR	271-5.6K-RC
4K7	R1, R2, R14	3		1/4W 1% RESISTOR	271-4.7K-RC
2K	R87	1		1/4W 1% RESISTOR	271-2K-RC
2K2	R16	1		1/4W 1% RESISTOR	271-2.2K-RC
1K3	R89	1		1/4W 1% RESISTOR	271-1.3K-RC

1K	R11, R13, R15, R35, R36, R37, R38, R39, R41, R42, R43, R44, R46, R47, R48, R49, R51, R52, R53, R54, R56, R57, R70, R71, R74, R128, R129, R130, R131, R132, R133, R134, R135, R136, R137, R138, R139, R140, R141, R142, R143, R144, R145, R146, R147, R148, R149, R150, R151, R152, R153, R154, R155, R156, R157, R158	56		1/4W 1% RESISTOR	271-1K-RC	
510R	R8	1		1/4W 1% RESISTOR	271-510-RC	
330R	R10	1		1/4W 1% RESISTOR	271-330-RC	
499R	R188, R189, R194, R195, R200, R201, R206, R207, R212, R213, R220, R221	12		1/4W 1% RESISTOR	271-499-RC	
100R	R231, R235	2		1/4W 1% RESISTOR	271-100-RC	
22R	R3	1		1/4W 1% RESISTOR	271-22-RC	
	BREAKOUT	1	IDC-16	16 PIN IDC MALE HEADER	571-1761681-6	
	PBD1	1	PBD-10	2.54M PITCH 2X5 MALE HEADER	517-929836-01-05-RK	
	PBD2	1	PBD-12	2.54M PITCH 2X6 MALE HEADER	517-929836-01-06-RK	
	STLINK	1	IDC-20	20 PIN IDC MALE HEADER	571-1761681-7	
	J1	1		1/4" STEREO JACK	502-112BX	
	POWER, VOICE1, VOICE2, VOICE3, VOICE4, VOICE5, VOICE6, VOICE7, VOICE8	9	EDAC-44	44PIN EDGE CONNECTOR	<a href="http://www.ebay.com/itm/130486232450">http://www.ebay.com/itm/130486232450</a>	
	AUDIO	1	MTA-100	2PIN HEADER	571-6404562	
<b>VOICE BOARD</b>						
VALUE	DESIGNATOR	QTY (1x)	QTY (8x)	FOOTPRINT	NOTE	MOUSER PART #
220uF	C1, C2, C3, C4	4	32	8MM DIA / 3.5 LS	ELECTROLYTHIC CAPACITOR	667-ECA-1VM221
47uF	C11, C60	2	16	5MM DIA / 2MM LS	ELECTROLYTHIC CAPACITOR	667-ECA-1CM470
1uF	C27, C28, C39, C73, C74, C85, C104, C113	8	64	5MM DIA / 2MM LS	ELECTROLYTHIC NON-POLARIZED CAPACITOR	647-UVP1H010MDD1TD
0.1uF	C5, C6, C7, C8, C12, C13, C16, C18, C20, C21, C22, C23, C24, C32, C34, C37, C38, C43, C44, C45, C47, C48, C49, C51, C52, C53, C54, C61, C62, C65, C67, C69, C70, C78, C80, C83, C84, C89, C90, C92, C93, C95, C96, C97, C98, C107, C108, C109, C110	49	392	SMT 0805	CERAMIC CAPACITOR	810-CEU4J2X7R1H104K
0.01uF	C9, C10, C19, C58, C59, C68	6	48	5MM LS	CERAMIC CAPACITOR	810-FG28C0G1H103JNT6
1000pF	C14, C15, C17, C63, C64, C66	6	48	5MM LS	CERAMIC CAPACITOR	810-FG28C0G1H102JNT6
560pF	C30, C31, C33, C41, C42, C46, C76, C77, C79, C87, C88, C91, C102, C106, C111, C115	16	128	5MM LS	CERAMIC CAPACITOR	810-FG28C0G1H561JNT0
180pF	C29, C40, C75, C86	4	32	5MM LS	CERAMIC CAPACITOR	810-FG28C0G1H181JNT6
100pF	C55, C56, C99, C100, C103, C105, C112, C114	8	64	5MM LS	CERAMIC CAPACITOR	810-FG28C0G1H101JNT6
47pF	C50, C57, C94, C101	4	32	5MM LS	CERAMIC CAPACITOR	810-FG28C0G1H470JNT6
1.5nF	C25, C26, C35, C36, C71, C72, C81, C82	8	64	5MM LS	FILM CAPACITOR	80-R82EC1150AA50J
1N4148	D1, D2, D3, D4	4	32	DO-35	SMALL SIGNAL DIODE	512-1N4148
CEM3340	IC1, IC13	2	16	DIP16	VOLTAGE CONTROLLED OSCILLATOR	<a href="https://www.thonk.co.uk/shop/curtis-cem3340-ic-vco-chip/">https://www.thonk.co.uk/shop/curtis-cem3340-ic-vco-chip/</a>
TL064	IC2, IC5, IC6, IC12, IC14, IC16, IC21	7	56	DIP14	QUAD OPERATIONAL AMPLIFIER	595-TL064IN
74LS74	IC3	1	8	DIP14	POSITIVE EDGE TRIGGERED FLIP FLOP	595-SN74LS74AN
DG202	IC4	1	8	DIP16	SPST CMOS ANALOG SWITCH	781-DG202BDJ-E3
TL062	IC7, IC10, IC17, IC19	4	32	DIP8	DUAL OPERATIONAL AMPLIFIER	595-TL062CP
V2164	IC8, IC9, IC15, IC18	4	32	DIP16	QUAD VOLTAGE CONTROLLED AMPLIFIER	<a href="https://www.thonk.co.uk/shop/coolaudio-v2164-all/">https://www.thonk.co.uk/shop/coolaudio-v2164-all/</a>
LM13700	IC11, IC20	2	16	DIP16	DUAL OTA	926-LM13700N/NOPB
2N3906	Q4, Q5, Q9, Q10	4	32	TO-92	PNP TRANSISTOR	610-2N3906
2N3904	Q1, Q2, Q3, Q6, Q7, Q8	6	48	TO-92	NPN TRANSISTOR	610-2N3904
1N5221	Z1, Z2, Z4, Z5, Z7, Z8, Z10, Z11	8	64	DO-35	ZENER DIODE 2.4V	78-1N5221B
BAT85S	Z3, Z6, Z9, Z12	4	32	DO-35	SCHOTTKY BARRIER RECTIFIER	78-BAT85S-TAP
4M7	R44, R45, R59, R60, R138, R139, R153, R154	8	64		1/4W 1% RESISTOR	603-MFR-25FRF52-4M7
1M5	R5, R99	2	16		1/4W 1% RESISTOR	271-1.5M-RC
1M2	R52, R66, R146, R160	4	32		1/4W 1% RESISTOR	603-MFR-25FRF52-1M2
1M	R31, R39, R78, R92, R125, R133, R172, R186	8	64		1/4W 1% RESISTOR	271-1.0M-RC
442K	R73, R167	2	16		1/4W 1% RESISTOR	271-442K-RC

300K	R6, R100	2	16		1/4W 1% RESISTOR	271-300K-RC
150K	R48, R51, R53, R61, R87, R142, R145, R147, R155, R181	10	80		1/4W 1% RESISTOR	271-150K-RC
107K	R24, R118	2	16		1/4W 1% RESISTOR	271-107K-RC
100K	R18, R28, R81, R112, R122, R175	6	48		1/4W 1% RESISTOR	271-100K-RC
73K2	R19, R113	2	16		1/4W 1% RESISTOR	271-73.2K-RC
47K	R1, R17, R95, R111	4	32		1/4W 1% RESISTOR	271-47K-RC
33K	R42, R43, R46, R47, R54, R56, R57, R58, R62, R63, R67, R69, R136, R137, R140, R141, R148, R150, R151, R152, R156, R157, R161, R163	24	192		1/4W 1% RESISTOR	271-33K-RC
31K6	R25, R119	2	16		1/4W 1% RESISTOR	271-31.6K-RC
30K	R16, R82, R110, R176, R189, R192, R193, R194, R195, R198, R199, R200	12	96		1/4W 1% RESISTOR	271-30K-RC
28K7	R33, R127	2	16		1/4W 1% RESISTOR	271-28.7K-RC
24K9	R20, R21, R114, R115	4	32		1/4W 1% RESISTOR	271-24.9K-RC
12K	R70, R83, R164, R177	4	32		1/4W 1% RESISTOR	271-12K-RC
10K	R2, R3, R4, R9, R11, R22, R23, R26, R27, R35, R36, R40, R77, R86, R91, R96, R97, R98, R103, R105, R116, R117, R120, R121, R129, R130, R134, R171, R180, R185	30	240		1/4W 1% RESISTOR	271-10K-RC
8K2	R76, R90, R170, R184	4	32		1/4W 1% RESISTOR	271-8.2K-RC
5K6	R34, R74, R88, R128, R168, R182	6	48		1/4W 1% RESISTOR	271-5.6K-RC
4K99	R30, R124	2	16		1/4W 1% RESISTOR	271-4.99K-RC
4K7	R71, R84, R165, R178	4	32		1/4W 1% RESISTOR	271-4.7K-RC
3K92	R80, R93, R173, R187	4	32		1/4W 1% RESISTOR	271-3.92K-RC
3K6	R29, R123	2	16		1/4W 1% RESISTOR	271-3.6K-RC
2K49	R10, R104	2	16		1/4W 1% RESISTOR	271-2.49K-RC
2K2	R13, R14, R107, R108	4	32		1/4W 1% RESISTOR	271-2.2K-RC
2K	R38, R132	2	16		1/4W 1% RESISTOR	271-2K-RC
1K8	R37, R131	2	16		1/4W 1% RESISTOR	271-1.8K-RC
1K	R12, R32, R79, R94, R106, R126, R174, R188	8	64		1/4W 1% RESISTOR	271-1K-RC
820R	R41, R135	2	16		1/4W 1% RESISTOR	271-820-RC
510R	R75, R89, R169, R183	4	32		1/4W 1% RESISTOR	271-510-RC
499R	R49, R50, R55, R64, R65, R68, R143, R144, R149, R158, R159, R162, R190, R191, R196, R197	16	128		1/4W 1% RESISTOR	271-499-RC
470R	R7, R8, R72, R85, R101, R102, R166, R179	8	64		1/4W 1% RESISTOR	271-470-RC
390R	R15, R109	2	16		1/4W 1% RESISTOR	271-390-RC

**PSU BOARD**

VALUE	DESIGNATOR	QUANTITY	FOOTPRINT	NOTE	MOUSER PART #
330uF	C10	1	10MM DIA / 5MM LS	ELECTROLYTHIC CAPACITOR	667-ECA-1VM331
100uF	C7, C9, C10, C11, C12	5	8MM DIA /3.5 LS	ELECTROLYTHIC CAPACITOR	667-EEU-FM1H101
S24DE12001PDFA	IC1	1		12V DC-DC CONVERTER	108-S24DE12001PDFA
R-78E5.0-1.0	IC2	1		5V 1A VOLTAGE REGULATOR	
LM7905	IC3	1	TO-220	-5V VOLTAGE REGULATOR	512-LM7905CT
	LED1, LED2, LED3, LED4, LED5	5		3MM LED	604-WP710A10SRD/E
	FUSE	1		FUSE HOLDER	534-4527
		1		FUSE HOLDER COVER	534-4527C
		1		5A FUSE	576-0218005.MXP
	GND	1		TEST POINT	534-5123
	POWER	1	MTA-156	2PIN HEADER	5716404452

**OUTPUT BOARD**

VALUE	DESIGNATOR	QUANTITY	FOOTPRINT	NOTE	MOUSER PART #
15uF	C1, C3	2	5MM DIA / 2MM PITCH	ELECTROLYTHIC CAPACITOR	598-156PUM035M
100uF	C2	1	5MM DIA / 2MM PITCH	ELECTROLYTHIC CAPACITOR	667-ECE-A0JKA101I
0.1uF	C4, C5, C6	3	SMT 0805	CERAMIC CAPACITOR	581-08055C104K

1N914	D1	1	DO-35	DIODE	512-1N914
6N138	IC1	1	DIP8	HIGH SPEED OPTOCOUPLER	782-6N138
STMPS2171MTR	IC2	1	SOIC8	SINGLE CHANNEL POWER SWITCH	511-STMPS2171MTR
74HC14	IC3	1	DIP14	HEX SCHMITT-TRIGGER INVERTER	595-SN74HC14N
CD4066	IC4	1	DIP14	QUADBILATERAL SWITCH	595-CD4066BE
	LED1	1		3MM LED	604-WP710A10SRD/E
47K	R6	1		1/4W 1% RESISTOR	271-47K-RC
10K	R5	1		1/4W 1% RESISTOR	271-10K-RC
1K	R7	1		1/4W 1% RESISTOR	271-1K-RC
680R	R1	1		1/4W 1% RESISTOR	271-680-RC
330R	R10	1		1/4W 1% RESISTOR	271-330-RC
270R	R8	1		1/4W 1% RESISTOR	271-270-RC
220R	R2, R9, R11, R12, R13	5		1/4W 1% RESISTOR	271-220-RC
22R	R3, R4	2		1/4W 1% RESISTOR	271-22-RC
10-100K LINEAR	POT1	1		ANGLED POTENTIOMETER	858-P090L01T15BR10K
	J1, J2	2		RIGHT-ANGLED 1/4" JACK	502-RN112BPC
		1	MTA-100	2PIN HEADER (CHECK UPDATES LOG)	571-6404562
	POWER	1	MTA-156	2PIN HEADER	5716404452
	EXPANSION, MIDI IN, MIDI OUT, MIDI THRU	4		5 PIN DIN CONNECTOR	502-57PC5F
	DC	1		2.5MM DC JACK	502-RAPC712X
	BREAKOUT	1		16 PIN IDC MALE HEADER	571-1761681-6
	USB	1		USB JACK	538-67068-9000
<b>MISC</b>					
		<b>QUANTITY</b>		<b>NOTE</b>	<b>MOUSER PART #</b>
		1		POWER SWITCH	611-DM22J12S205Q
		1		PSU BRICK	418-TRH70A12012E01VI
		1		HEAT SHRINK TUBE	5174-13161
		2		MTA-156 2 PIN FEMALE HEADER	571-3-640427-2
		2		MTA-156 2 PIN DUST COVER	571-640551-2
		2		MTA-100 2 PIN FEMALE HEADER	571-3-640441-2
		2		MTA-100 2 PIN DUST COVER	571-6405502
		38		DIP8 SOCKETS	<a href="http://www.ebay.com/itm/291623258279">http://www.ebay.com/itm/291623258279</a>
		84		DIP14 SOCKETS	<a href="http://www.ebay.com/itm/291623283588">http://www.ebay.com/itm/291623283588</a>
		93		DIP16 SOCKETS	<a href="http://www.ebay.com/itm/291623284651">http://www.ebay.com/itm/291623284651</a>
		1		ST LINK PROGRAMMER	511-ST-LINK/V2
		5		RED SLIDER CAP	<a href="https://www.samodular.com/product/switch-caps/">https://www.samodular.com/product/switch-caps/</a>
		17		GREEN SLIDER CAP	
		18		BLACK SLIDER CAP	
		4		YELLOW SLIDER CAP	
		15		GREY SLIDER CAP	
		11		WHITE SLIDER CAP	
		1		FRONT PANEL	<a href="http://siddarthianinnovations.bigcartel.com/product/deckard-s-dream-front-panel-and-rack-case-rev-2">http://siddarthianinnovations.bigcartel.com/product/deckard-s-dream-front-panel-and-rack-case-rev-2</a>
		1		RACK CASE	
		1		SCREEN BEZEL	
		6		M3x10MM BLACK PAN HEAD SCREW	
		8		M2 4MM PAN HEAD SCREW	
		30		M2.5 6MM BLACK PAN HEAD SCREW	<a href="https://www.mcmaster.com/#92005A016">https://www.mcmaster.com/#92005A016</a>
		11		M2.5 MF 10MM STANDOFF	<a href="https://www.mcmaster.com/#95836A253">https://www.mcmaster.com/#95836A253</a>
					<a href="http://www.ebay.com/itm/182032209223">http://www.ebay.com/itm/182032209223</a>

		11	M2.5 FF 12MM STANDOFF	<a href="http://www.ebay.com/itm/272117201039">http://www.ebay.com/itm/272117201039</a>
		4	M2 FF 5MM STANDOFF	<a href="http://www.ebay.com/itm/162165536019">http://www.ebay.com/itm/162165536019</a>
		4	M2.5 MF 25MM STANDOFF	<a href="http://www.ebay.com/itm/191635004246">http://www.ebay.com/itm/191635004246</a>
		10	M2.5 MF 20MM STANOFF	<a href="http://www.ebay.com/itm/191635004246">http://www.ebay.com/itm/191635004246</a>
		2	M2.5 FF 25MM STANOFF	<a href="http://www.ebay.com/itm/191634998627">http://www.ebay.com/itm/191634998627</a>
		1	16 PIN RIBBON CABLE	<a href="http://www.ebay.com/itm/191746923139">http://www.ebay.com/itm/191746923139</a>
		1	20 AWG WIRE	<a href="http://www.ebay.com/itm/371367212983">http://www.ebay.com/itm/371367212983</a>
		1	KNOB	<a href="http://www.smallbear-electronics.mybigcommerce.com/aluminum-knob-large-black/">http://www.smallbear-electronics.mybigcommerce.com/aluminum-knob-large-black/</a>
		1	USB A TO USB B ADAPTER	<a href="http://www.ebay.com/itm/112205278525">http://www.ebay.com/itm/112205278525</a>
		1	EPOXY GLUE	
		2	L-SHAPED BRACKET	534-708
		4	6-32 SCREW	534-9903
		4	6-32 NUT	534-4701
		2	SHIELDED WIRE	650-400R1121-20-0/99

**UPDATES LOG**

2.1.4 - 560pF MOTHERBOARD DESIGNATORS UPDATED

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